

ABSTRACT

The invention concerns the production of acrylic acid from propane in the presence of molecular oxygen. Said method consists in passing a gas mixture comprising propane, molecular oxygen, water vapour and, optionally, an inert gas, on a catalyst of formula (I) $\text{Mo}_1\text{V}_a\text{Te}_b\text{Nb}_c\text{Si}_d\text{O}_x$ to oxidize propane into acrylic acid, the propane/molecular oxygen mol ratio in the initial gas mixture being not less than 0.5.